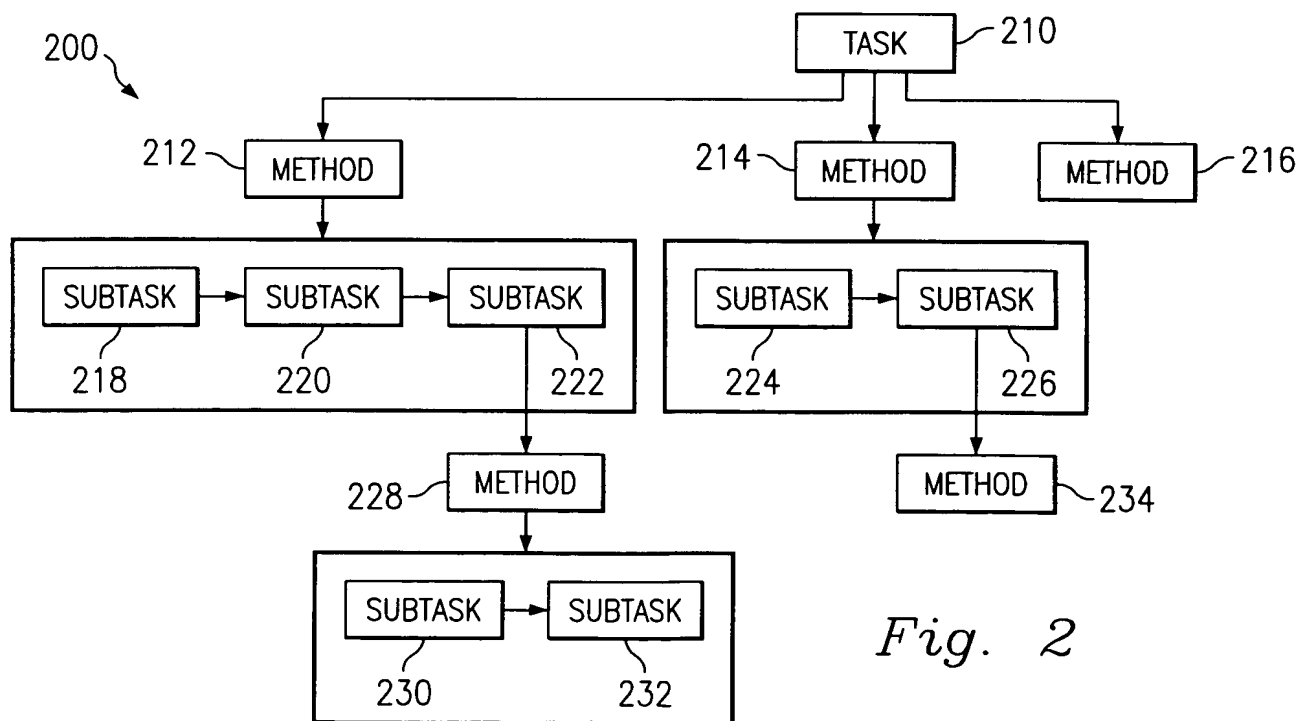
*Fig. 1**Fig. 2*

300

Fig. 3

310	TOILET				
	STRUCTURE				
	<u>COMPONENTS</u>				
	<u>NAME</u>	<u>TYPE</u>			
	BOWL	CONTAINER			
	TANK	CONTAINER			
	VALVE	VALVE			
	FLAPPER	RUBBERPART			
	FLOAT	FLOAT			
	HANDLE	METALPART			
	DRAIN	PIPE			
	SOURCE	PIPE			
	<u>CONNECTIONS</u>				
312	<u>NAME</u>	<u>TYPE</u>	<u>FROM</u>	<u>TO</u>	<u>SUBSTANCE</u>
	C1	PIPE	TANK	BOWL	WATER
	C2	PIPE	BOWL	DRAIN	WATER
	C3	CHAIN	HANDLE	FLAPPER	USERPRESS
	C4	HINGE	FLAPPER	TANK	
	C5	LEVER	FLOAT	VALVE	VECTOR
	C6	PIPE	VALVE	TANK	WATER
	C7	PIPE	SOURCE	VALVE	WATER
	BEHAVIORS				
	<u>NAME</u>	<u>TYPE</u>			
316	FILL	PROCEDURE			
	FLUSH	METHOD			
314	FUNCTION				
	<u>NAME</u>	<u>BEHAVIOR</u>			
	CLEAN	FLUSH			
	<u>GIVEN NAME</u>	<u>GIVEN TYPE</u>			
	CLEAN WATER	LIQUID			
	FORCE ON HANDLE	FORCE			
	<u>MAKES NAME</u>	<u>MAKES TYPE</u>			
	CLEAN BOWL	CONTAINER			
	<u>SUBSTANCE</u>				
	WATER	LIQUID			
	USERPRESS	FORCE			
	VECTOR	FORCE			

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Fig. 4A

FROM  
Fig. 4B

B

START

414 DEFINE TASK (OR SUBTASK) BY SPECIFYING  
NAME, INPUT MAPPINGS AND OUTPUT MAPPINGS

400

416 SOLVE  
TASK VIA TMK METHOD  
OR SBF BEHAVIOR ?

TMK  
METHOD

SBF BEHAVIOR

418 ARE THERE  
APPLICABLE EXISTING  
METHODS?

YES

420

SELECT  
METHOD

ARE THERE  
APPLICABLE EXISTING  
PROCEDURES ?

YES

424

SELECT  
PROCEDURE

DEFINE  
METHOD OR  
PROCEDURE ?

PROCEDURE

DEFINE  
PROCEDURE  
BY  
SPECIFYING  
NAME AND  
DEFINING  
ACTION

428

426 METHOD  
DEFINE  
METHOD BY  
SPECIFYING  
NAME

430

DOES  
RELEVANT SBF  
MODEL EXIST ?

NO

438

ENCODE SBF COMPONENTS  
AND CONNECTIONS

440

ARE  
TYPES DEFINED  
FOR COMPONENTS AND  
CONNECTIONS ?

YES

442

ENCODE USING SBF

NO

ENCODE BEHAVIOR IN  
THE SELECTED SBF  
MODEL USING TMK

444

432

YES

SELECT AN  
SBF MODEL

434

DOES  
AN APPLICABLE  
BEHAVIOR EXIST ?

NO

436

YES

SELECT BEHAVIOR

446

448 INPUT AND OUTPUT MAPPINGS

448

450 DEFINE CONDITIONS

450

ARE  
THERE ADDITIONAL  
METHODS OR BEHAVIORS  
TO SOLVE THE  
TASK?

YES

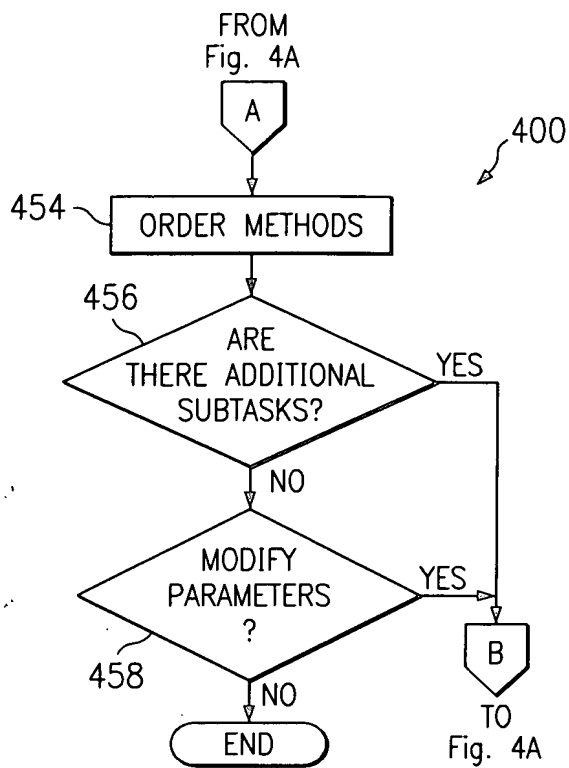
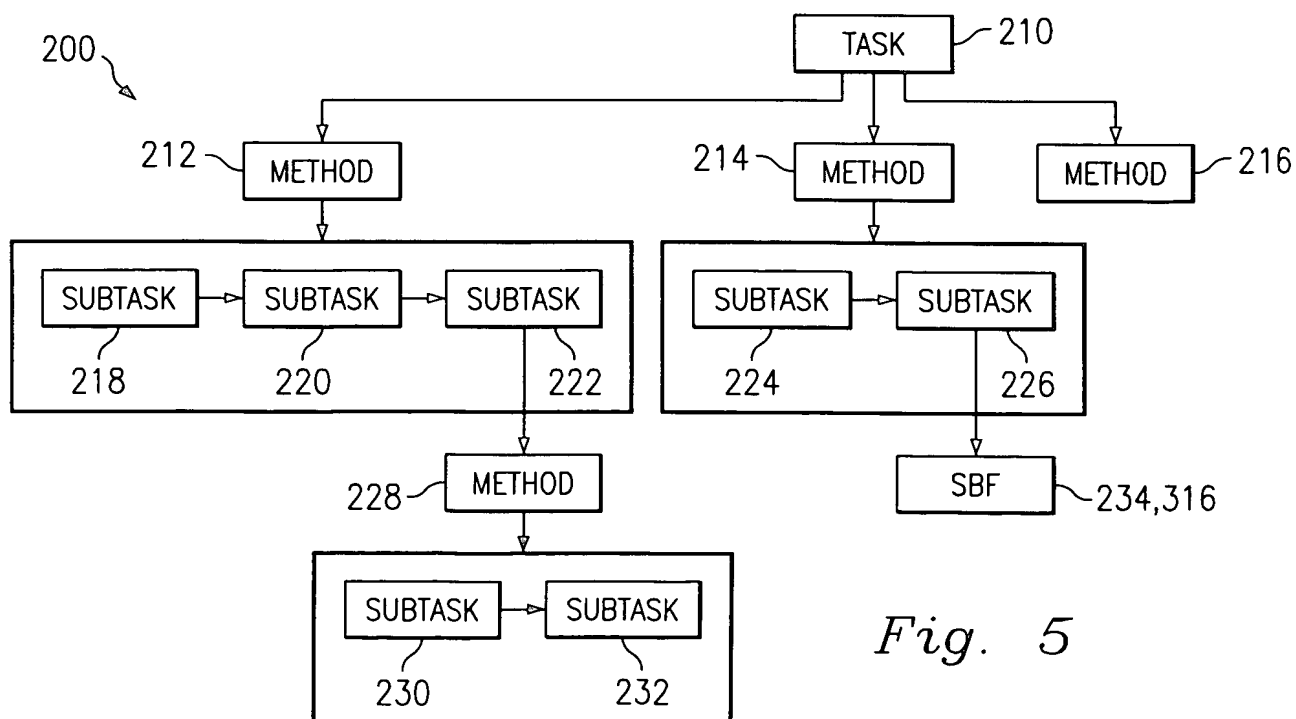
NO

A

TO  
Fig. 4B

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*Fig. 4B**Fig. 5*

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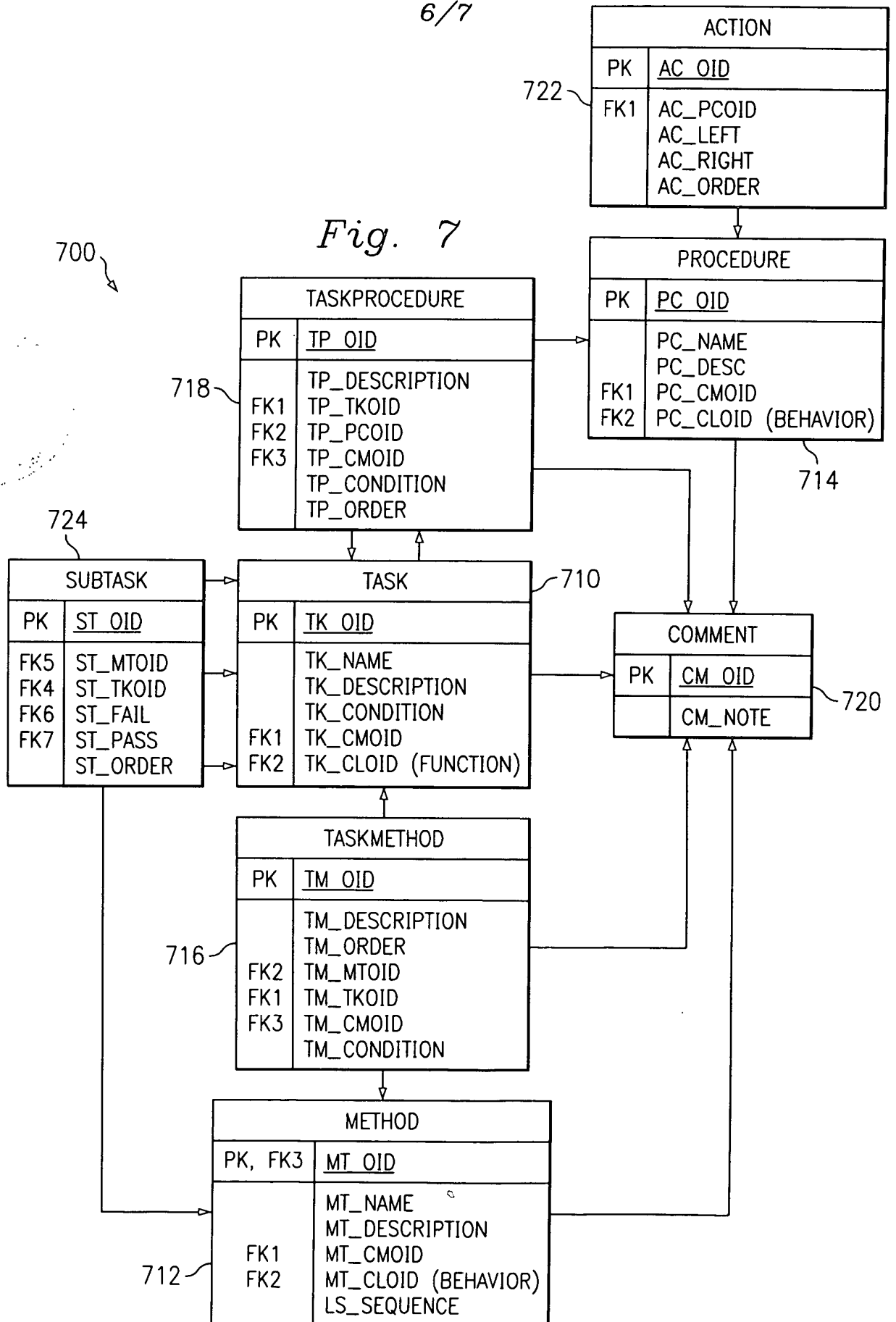
Fig. 6

310	TOILET				
	STRUCTURE				
	COMPONENTS				
	NAME	TYPE			
	BOWL	CONTAINER			
	TANK	CONTAINER			
	VALVE	VALVE			
	FLAPPER	RUBBERPART			
	FLOAT	FLOAT			
	HANDLE	METALPART			
	DRAIN	PIPE			
	SOURCE	PIPE			
	CONNECTIONS				
312	NAME	TYPE	FROM	TO	SUBSTANCE
	C1	PIPE	TANK	BOWL	WATER
	C2	PIPE	BOWL	DRAIN	WATER
	C3	CHAIN	HANDLE	FLAPPER	USERPRESS
	C4	HINGE	FLAPPER	TANK	
	C5	LEVER	FLOAT	VALVE	VECTOR
	C6	PIPE	VALVE	TANK	WATER
	C7	PIPE	SOURCE	VALVE	WATER
	BEHAVIORS				
	NAME	TYPE			
214	FILL	TMK PROCEDURE			
	FLUSH	METHOD			
314	FUNCTION				
	NAME	BEHAVIOR			
	CLEAN	FLUSH			
	GIVEN NAME	GIVEN TYPE			
	CLEAN WATER	LIQUID			
	FORCE ON HANDLE	FORCE			
	MAKES NAME	MAKES TYPE			
	CLEAN BOWL	CONTAINER			
	SUBSTANCE				
	WATER	LIQUID			
	USERPRESS	FORCE			
	VECTOR	FORCE			

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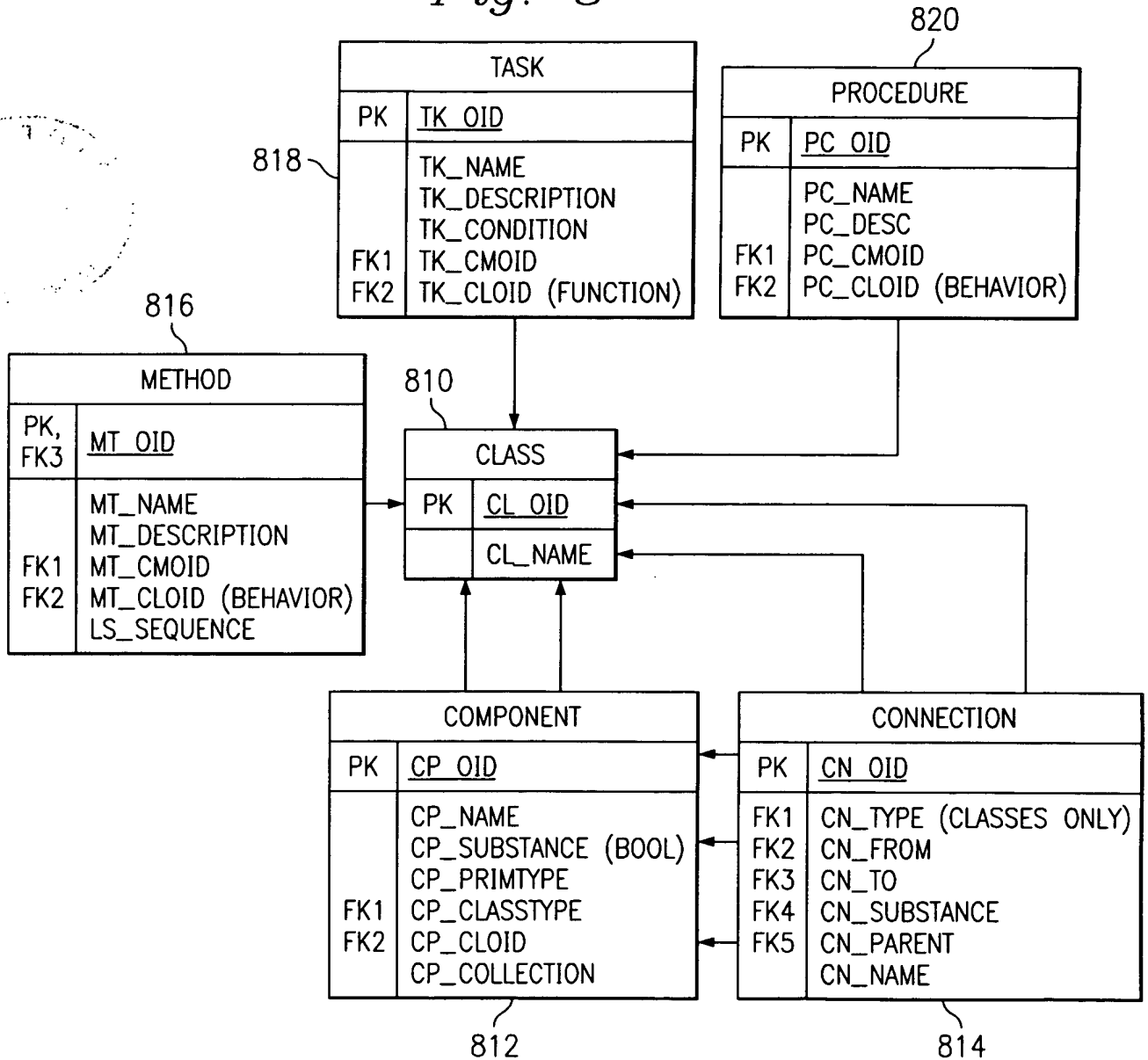
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Fig. 7



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Fig. 8



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